

VERTICAL MACHINE TOOL WITH A MOVABLE MAIN SPINDLEABSTRACT OF THE DISCLOSURE

5        A vertical lathe is provided with a base, a main spindle, a headstock, a tool rest and a splash guard. The headstock is movable in a Z-axis direction and an X-axis direction and grips a bar workpiece by a chuck. The bar workpiece is machined by moving the headstock and a tool. A part which has been subjected to the machining is cut by

10      a cut-off tool as a machined workpiece. The lathe has a supporting means, provided above the headstock, for supporting an upper end of the bar workpiece and a transfer means for receiving the machined workpiece from the chuck and for transferring the machined workpiece to an outside of a machining area.